Floyd warshall algorithm

Diagram

Description automatically generated

* 모든 정점에서 정점으로 최단 알고리즘을 구현 하는 것이다

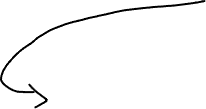
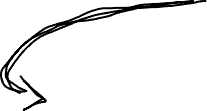
현재까지 계산된 최소 비용

Graphical user interface, application

Description automatically generated

* No immediate connection to vertex 🡪 무한

Calculation 1: 노드 1을 거쳐가는 경우

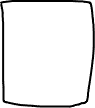


Diagram

Description automatically generated

Graphical user interface, application

Description automatically generated



* 1이 포함되지 않은 경우만 갱신이 가능

Graphical user interface, application, Word

Description automatically generated

Calculation



* 2 🡪 3
  + 2 🡪 3 (has cost of 9)
  + 2 🡪 1 (has cost of 7) + 1 🡪 3 (has cost of 무한)

Diagram

Description automatically generated

